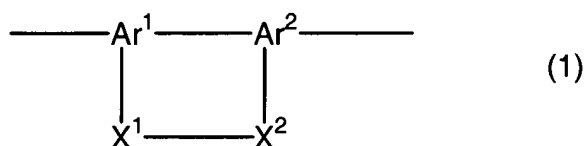


## AMENDMENTS TO THE CLAIMS

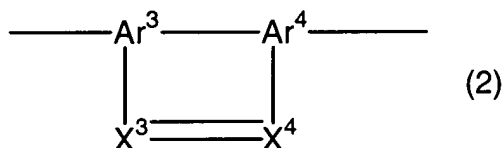
This listing of claims will replace all prior versions and listings of claims in the application:

### LISTING OF CLAIMS:

1. (currently amended): A polymer compound comprising a repeating unit of below formula (1) or (2), and having a polystyrene reduced number average molecular weight of  $10^3$  to  $10^8$ .



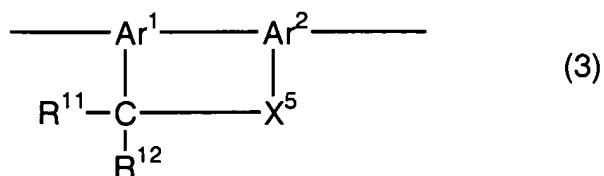
{wherein, Ar<sup>1</sup> and Ar<sup>2</sup> each independently represent a trivalent aromatic hydrocarbon group or a trivalent heterocyclic group; X<sup>1</sup> and X<sup>2</sup> each independently represent O, S, C(=O), S(=O), SO<sub>2</sub>, C(R<sup>1</sup>)(R<sup>2</sup>), Si(R<sup>3</sup>)(R<sup>4</sup>), N(R<sup>5</sup>), B(R<sup>6</sup>), P(R<sup>7</sup>) or P(=O)(R<sup>8</sup>). ~~Here, and wherein~~ R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> each independently represent a hydrogen atom, halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group, acyl group, acyloxy group, amide group, acid imide group, imine residue, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, a monovalent heterocyclic group, arylalkenyl group, ary lethynyl group, carboxyl group or cyano group; R<sup>1</sup> and R<sup>2</sup>, or R<sup>3</sup> and R<sup>4</sup> may be connected mutually to form a ring; X<sup>1</sup> and X<sup>2</sup> are not the same. ~~Moreover,~~ X<sup>1</sup> and Ar<sup>2</sup> bond to adjacent carbons in the aromatic ring of Ar<sup>1</sup>, and X<sup>2</sup> and Ar<sup>1</sup> bond to adjacent carbons in the aromatic ring of Ar<sup>2</sup>},



wherein, Ar<sup>3</sup> and Ar<sup>4</sup> each independently represent a trivalent aromatic hydrocarbon group or a trivalent heterocyclic group, X<sup>3</sup> and X<sup>4</sup> each independently represent N, B, P, C(R<sup>9</sup>) or Si(R<sup>10</sup>). ~~Here, and wherein~~ R<sup>9</sup> and R<sup>10</sup> each independently represent a hydrogen atom, halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group, acyl group, acyloxy group, amide group, acid imide group, imine residue, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, a monovalent heterocyclic group, arylalkenyl group, arylethynyl group, carboxyl group or cyano group, X<sup>3</sup> and X<sup>4</sup> are not the same. ~~Moreover,~~ X<sup>3</sup> and Ar<sup>4</sup> bond to adjacent carbons in the aromatic ring of Ar<sup>3</sup>, and X<sup>4</sup> and Ar<sup>3</sup> bond to adjacent carbons in the aromatic ring of Ar<sup>4</sup>.

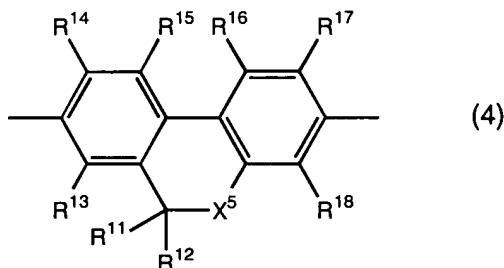
2. (currently amended): A polymer compound according to Claim 1, wherein X<sup>1</sup> of formula (1) is C(R<sup>1</sup>)(R<sup>2</sup>), Si(R<sup>3</sup>)(R<sup>4</sup>), N(R<sup>5</sup>), B(R<sup>6</sup>), P(R<sup>7</sup>) or P(=O)(R<sup>8</sup>) ~~(in the formula, wherein~~ R<sup>1</sup>-R<sup>8</sup> represent the same meaning as ~~the above.)~~ in Claim 1.

3. (currently amended): A polymer compound according to claims 1 or 2, wherein the repeating unit represented by the above formula (1) is a repeating unit represented by the below formula (3),



~~in the formula, wherein~~  $\text{Ar}^1$  and  $\text{Ar}^2$  represent the same meaning as ~~the above in Claim 1,~~  $\text{R}^{11}$  and  $\text{R}^{12}$  each independently represent a hydrogen atom, halogen atom, alkyl group, aryl group, arylalkyl group, or monovalent heterocyclic group, and may be mutually connected to form a ring,  $\text{X}^5$  represents O, S, C(=O), S(=O),  $\text{SO}_2$ ,  $\text{Si}(\text{R}^3)(\text{R}^4)$ ,  $\text{N}(\text{R}^5)$ ,  $\text{B}(\text{R}^6)$ ,  $\text{P}(\text{R}^7)$  or  $\text{P}(=\text{O})(\text{R}^8)$ , ~~and~~  $\text{R}^3$ ,  $\text{R}^4$ ,  $\text{R}^5$ ,  $\text{R}^6$ ,  $\text{R}^7$  and  $\text{R}^8$  represent the same meaning as ~~the above.~~ } in Claim 1.

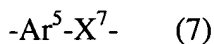
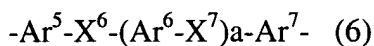
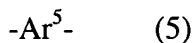
4. (currently amended): A polymer compound according to Claim 3, wherein the repeating unit represented by the above formula (3) is a repeating unit represented by the below formula (4),



~~in the formula, wherein~~  $\text{X}^5$ ,  $\text{R}^{11}$  and  $\text{R}^{12}$  represent the same meaning as ~~the above in Claim 3,~~  $\text{R}^{13}$ ,  $\text{R}^{14}$ ,  $\text{R}^{15}$ ,  $\text{R}^{16}$ ,  $\text{R}^{17}$ , and  $\text{R}^{18}$  each independently represent a hydrogen atom, halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group, acyl group, acyloxy group, amide group, acid imide group, ~~Imine~~ imine residue, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, a monovalent heterocyclic group, arylalkenyl group, aryl ethynyl group, carboxyl group, or cyano group, ~~and~~  $\text{R}^{14}$ , ~~and~~  $\text{R}^{15}$ , and  $\text{R}^{16}$  and  $\text{R}^{17}$  may be connected mutually to form a ring. }

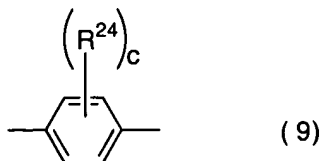
5. (original): A polymer compound according to Claim 4, wherein  $X^5$  in the above formula (4) is an oxygen atom.

6. (currently amended): A polymer compound according to claim 1, wherein the repeating unit represented by the above formula (1) or (2), is included, and further the repeating unit represented by the below formula (5), formula (6), formula (7), or formula (8) is included,

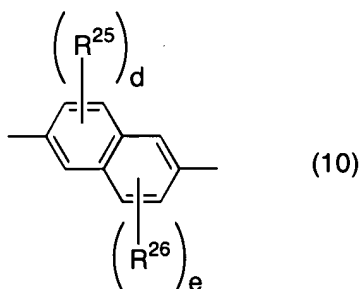


~~In the formula, wherein~~  $Ar^5$ ,  $Ar^6$ , and  $Ar^7$  each independently represent an arylene group, divalent heterocyclic group, or divalent group having metal complex structure,  $X^6$  represents  $-C\equiv C-$ ,  $-N(R^{21})-$  or  $-(SiR^{22}R^{23})_y$ ,  $X^7$  represents  $-CR^{19}=CR^{20}-$ ,  $-C\equiv C-$ ,  $-N(R^{21})-$  or  $-(SiR^{22}R^{23})_y$ ,  $R^{19}$  and  $R^{20}$  each independently represent a hydrogen atom, alkyl group, aryl group, monovalent heterocyclic group, carboxyl group or cyano group,  $R^{21}$ ,  $R^{22}$  and  $R^{23}$  each independently represent a hydrogen atom, alkyl group, aryl group, monovalent heterocyclic group or arylalkyl group, a represents an integer of 0-1, and b represents an integer of 1-12.~~}]~~

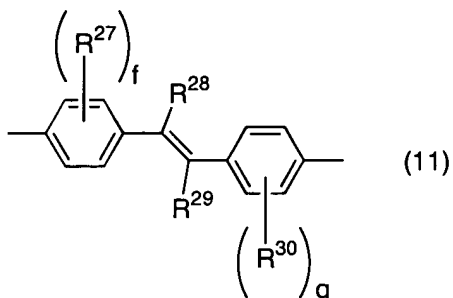
7. (currently amended): A polymer compound according to claim 6, wherein formula (5) is a repeating unit represented by the below formula (9), (10), (11), (12), (13), or (14),



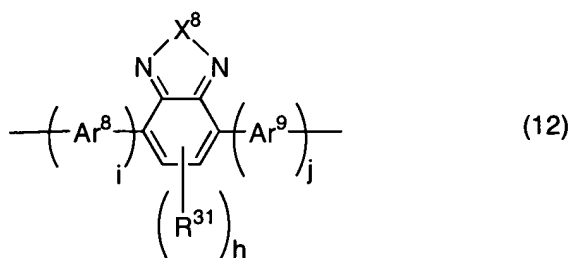
~~in the formula, wherein~~  $R^{24}$  represents a halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, aryl alkylthio group, acyl group, acyloxy group, amide group, acid imide group, imino group, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, monovalent heterocyclic group, arylalkenyl group, aryl ethynyl group, carboxyl group, or cyano group-, and  $c$  represents an integer of 0-4-},



~~in the formula, wherein~~  $R^{25}$  and  $R^{26}$  each independently represent a halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group, acyl group, acyloxy group, amide group, acid imide group, imino group, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, monovalent heterocyclic group, arylalkenyl group, arylethynyl group, carboxyl group, or cyano group-, and  $d$  and  $e$  each independently represent an integer of 0-3-},

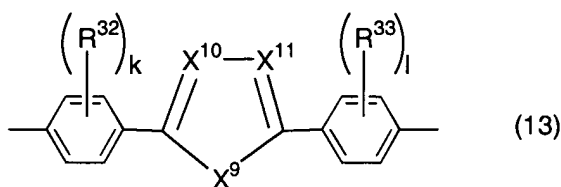


~~In the formula, wherein~~  $R^{27}$  and  $R^{30}$  each independently represent a halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group, acyl group, acyloxy group, amide group, acid imide group, imino group, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, monovalent heterocyclic group, arylalkenyl group, arylethynyl group, carboxyl group, or cyano group-, and  $R^{28}$  and  $R^{29}$  each independently represent a hydrogen atom, alkyl group, aryl group, monovalent heterocyclic group, carboxyl group, or cyano group-},

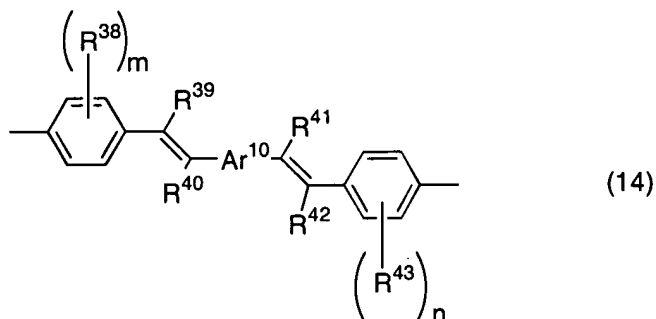


~~In the formula, wherein~~  $R^{31}$  represent a halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, aryl alkylthio group, acyl group, acyloxy group, amide group, acid imide group, imino group, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted

silylthio group, substituted silylamino group, monovalent heterocyclic group, arylalkenyl group, aryl ethynyl group, carboxyl group, or cyano group— $h$  represents an integer of 0-2— $Ar^8$  and  $Ar^9$  each independently represent an arylene group, divalent heterocyclic group, or a divalent group having metal complex structure— $i$  and  $j$  each independently represent 0 or 1—, and  $X^8$  represents O, S, SO, SO<sub>2</sub>, Se or Te—,



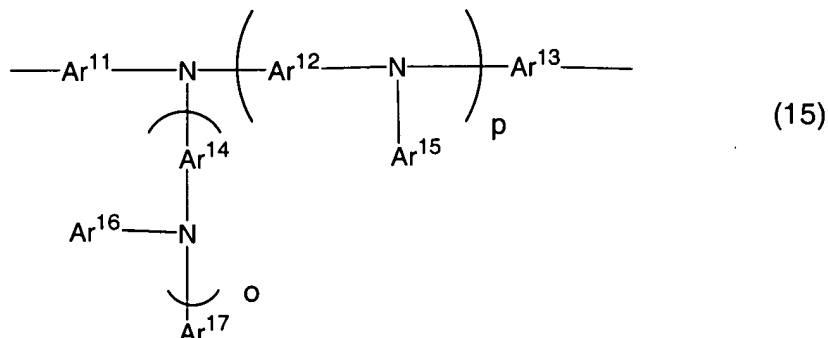
~~in the formula,~~ wherein  $R^{32}$  and  $R^{33}$  each independently represent a halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group, acyl group, acyloxy group, amide group, acid imide group, imino group, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, monovalent heterocyclic group, arylalkenyl group, aryethynyl group, carboxyl group, or cyano group— $k$  and  $l$  each independently represent an integer of 0-4— $X^9$  represents O, S, SO, SO<sub>2</sub>, Se, Te, N- $R^{34}$ , or Si- $R^{35}$ - $R^{36}$ — $X^{10}$  and  $X^{11}$  each independently represent N or C- $R^{37}$ —, and  $R^{34}$ ,  $R^{35}$ ,  $R^{36}$  and  $R^{37}$  each independently represent a hydrogen atom, alkyl group, aryl group, arylalkyl group or a monovalent heterocyclic group—,



~~in the formula,~~ wherein  $R^{38}$  and  $R^{43}$  each independently represent a halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group, acyl group, acyloxy group, amide group, acid imide group, imino group, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, monovalent heterocyclic group, arylalkenyl group, arylethynyl group, carboxyl group, or cyano group-,  $m$  and  $n$  each independently represent an integer of 0-4-,  $R^{39}$ ,  $R^{40}$ ,  $R^{41}$ , and  $R^{42}$  each independently represent a hydrogen atom, alkyl group, aryl group, monovalent heterocyclic group, carboxyl group, or cyano group-, and  $Ar^{10}$  represents an arylene group, divalent heterocyclic group, or a divalent group having metal complex structure-}.

8. (currently amended): A polymer compound according to Claim 1, wherein the repeating unit represented by the above formula (1) or (2) is included, and further the repeating unit represented by the below formula (15) is included,





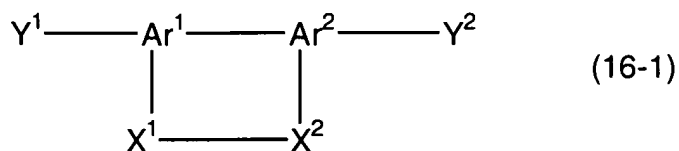
in the formula, wherein Ar<sup>11</sup>, Ar<sup>12</sup>, Ar<sup>13</sup>, and Ar<sup>14</sup> each independently represent an arylene group or a divalent heterocyclic group Ar<sup>15</sup>, Ar<sup>16</sup>, and Ar<sup>17</sup> each independently represent an aryl group or a monovalent heterocyclic group, o and p each independently represent 0 or 1, and 0 ≤ o+p ≤ 1.

9. (currently amended): A polymer compound according to ~~any one of claims 1 to 8~~Claim 1, wherein the total of the repeating unit represented by formula (1) and (2) is 10% by mole or more based on whole repeating units.

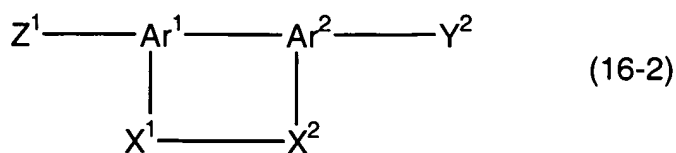
10. (currently amended): A polymer compound according to ~~any one of claims 1 to 9~~Claim 1, having liquid-crystal property.

11. (currently amended): A polymer compound according to ~~any one of claims 1 to 10~~Claim 1, having fluorescence in the solid state.

12. (currently amended): A compound represented by the below formula (16-1) or (16-2),



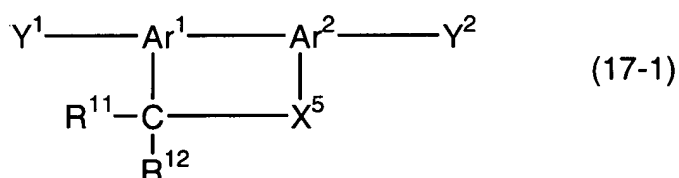
~~(in the formula, wherein~~ Ar<sup>1</sup> and Ar<sup>2</sup> each independently represent a trivalent aromatic hydrocarbon group or a trivalent heterocyclic group, X<sup>1</sup> and X<sup>2</sup> each independently represent O, S, C(=O), S(=O), SO<sub>2</sub>, C(R<sup>1</sup>)(R<sup>2</sup>), Si(R<sup>3</sup>)(R<sup>4</sup>), N(R<sup>5</sup>), B(R<sup>6</sup>), P(R<sup>7</sup>) or P(=O)(R<sup>8</sup>), ~~Here, and~~  
wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup>, and R<sup>8</sup> each independently represent a hydrogen atom, halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, aryl alkylthio group, acyl group, acyloxy group, amide group, acid imide group, imine residue, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, monovalent heterocyclic group, arylalkenyl group, aryl ethynyl group, carboxyl group, or cyano group. R<sup>1</sup> and R<sup>2</sup>, or R<sup>3</sup> and R<sup>4</sup> may be connected mutually to form a ring, X<sup>1</sup> and X<sup>2</sup> are not the same, X<sup>1</sup> and Ar<sup>2</sup> bond to adjacent carbons in the aromatic ring of Ar<sup>1</sup>, and X<sup>2</sup> and Ar<sup>1</sup> bond to adjacent carbons in the aromatic ring of Ar<sup>2</sup>, Y<sup>1</sup> and Y<sup>2</sup> each independently represent a halogen atom, alkylsulfonate group, arylsulfonate group, arylalkylsulfonate group, boric ester group, sulfonium methyl group, phosphonium methyl group, phosphonate methyl group, monohalogenated methyl group, boric acid group, formyl group, or vinyl group,



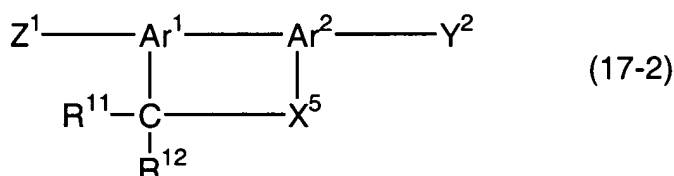
~~(In the formula, wherein~~ Ar<sup>1</sup>, Ar<sup>2</sup>, X<sup>1</sup>, X<sup>2</sup>, and Y<sup>2</sup> are the same as ~~those of the above-identified~~  
above, Z<sup>1</sup> represents a hydrogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, aryl alkylthio group,

substituted amino group, substituted silyl group, monovalent heterocyclic group, arylalkenyl group, or aryl ethynyl group.)-

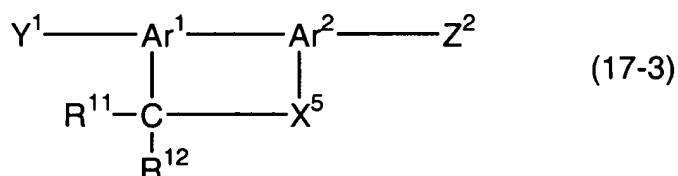
13. (currently amended): A compound according to Claim 12, represented by the below formula (17-1), (17-2), or (17-3),



~~(in the formula, wherein~~  $\text{Ar}^1$ ,  $\text{Ar}^2$ ,  $\text{R}^{11}$ ,  $\text{R}^{12}$ ,  $\text{X}^5$ ,  $\text{Y}^1$ , and  $\text{Y}^2$  represent the same meaning as the defined above.)-



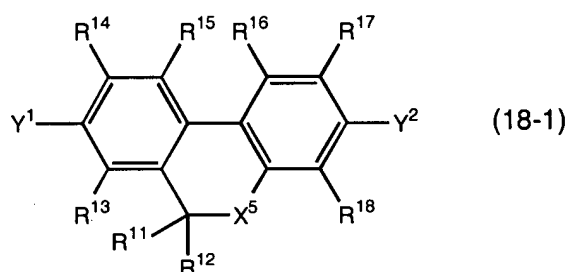
~~(in the formula, wherein~~  $\text{Ar}^1$ ,  $\text{Ar}^2$ ,  $\text{R}^{11}$ ,  $\text{R}^{12}$ ,  $\text{X}^5$ ,  $\text{Y}^2$ , and  $\text{Z}^1$  represent the same meaning as the defined above.)-



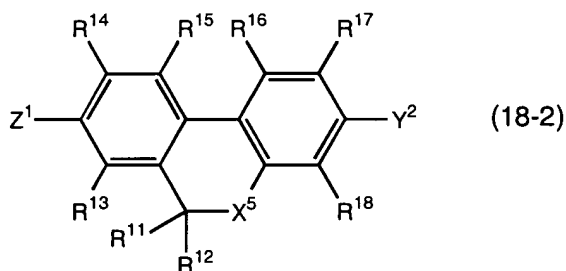
~~(in the formula, wherein~~  $\text{Ar}^1$ ,  $\text{Ar}^2$ ,  $\text{R}^{11}$ ,  $\text{R}^{12}$ ,  $\text{X}^5$ , and  $\text{Y}^1$  represent the same meaning as the defined above-,  $\text{Z}^2$  represents a hydrogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group,

substituted amino group, substituted silyl group, monovalent heterocyclic group, arylalkenyl group, or aryl ethynyl group.)

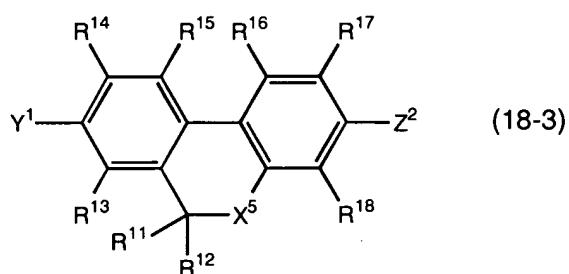
14. (currently amended): A compound according to Claim 13, represented by the below formula (18-1), (18-2), or (18-3),



(in the formula, wherein R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup>, R<sup>17</sup>, R<sup>18</sup>, X<sup>5</sup>, Y<sup>1</sup>, and Y<sup>2</sup> represent the same meaning as the defined above.)



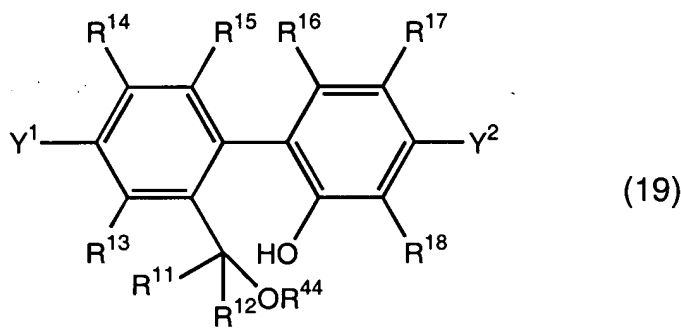
(in the formula, wherein R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup>, R<sup>17</sup>, R<sup>18</sup>, X<sup>5</sup>, Y<sup>2</sup>, and Z<sup>1</sup> represent the same meaning as the defined above.)



~~(in the formula, wherein~~  $R^{11}$ ,  $R^{12}$ ,  $R^{13}$ ,  $R^{14}$ ,  $R^{15}$ ,  $R^{16}$ ,  $R^{17}$ ,  $R^{18}$ ,  $X^5$ ,  $Y^1$ , and  $Z^2$  represent the same meaning as ~~the defined~~ defined above.)~~-~~

15. (original): A compound according to Claim 14, wherein  $X^5$  is an oxygen atom in the above formula (18-1), (18-2), or (18-3).

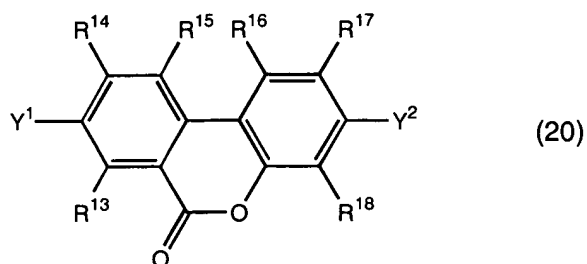
16. (currently amended): A compound represented by the below formula (19)~~-~~,



~~(in the formula, wherein~~  $R^{11}$ ,  $R^{12}$ ,  $R^{13}$ ,  $R^{14}$ ,  $R^{15}$ ,  $R^{16}$ ,  $R^{17}$ ,  $R^{18}$ ,  $Y^1$ , and  $Y^2$  represent the same meaning as ~~the defined~~ defined above~~-~~, and  $R^{44}$  represents a hydrogen atom, alkyl group, aryl group, arylalkyl, or a monovalent heterocyclic group.)~~-~~

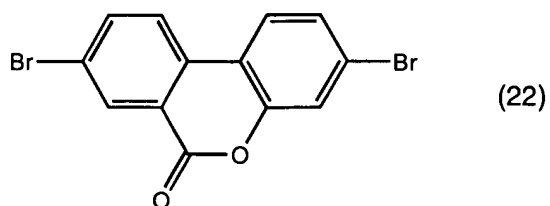
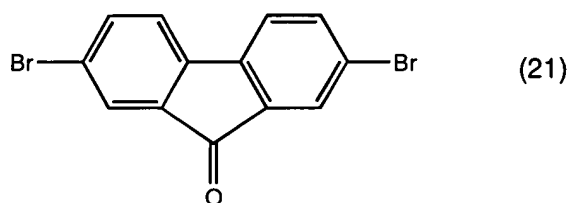
17. (original): A manufacture method of the compound of Claim 15, wherein the compound represented by the above formula (19) is contacted with acid.

18. (currently amended): A manufacture method of a compound having a hydrogen atom as  $R^{44}$  in the compounds represented by the above formula (19), wherein a compound represented by the below formula (20), is reacted with a Grignard reagent, or organo Li compound,

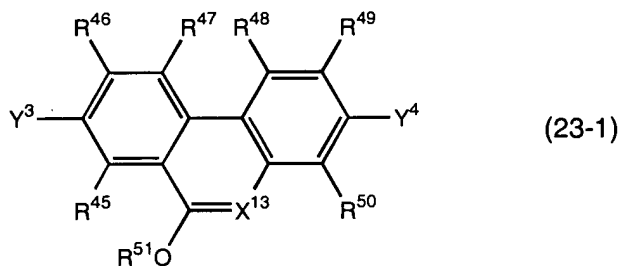


~~(in the formula, wherein~~  $R^{13}$ ,  $R^{14}$ ,  $R^{15}$ ,  $R^{16}$ ,  $R^{17}$ ,  $R^{18}$ ,  $Y^1$ , and  $Y^2$  represent the same meaning as ~~the~~  
defined above.)

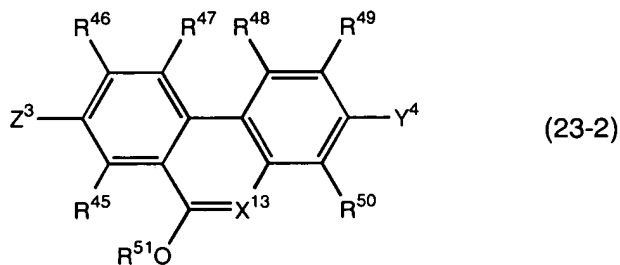
19. (original): A manufacture method of the compound represented by the below formula (22), wherein the compound represented by the below formula (21) is reacted with sodium perborate,



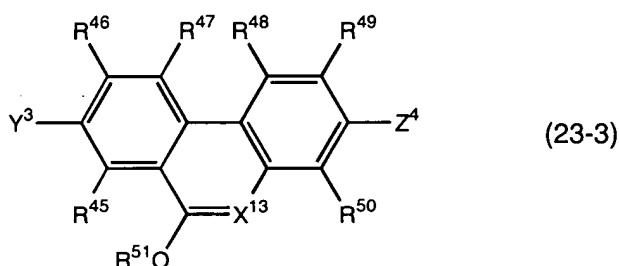
20. (currently amended): A compound represented by the below formula (23-1), (23-2), (23-3), (24-1), (24-2), or (24-3),



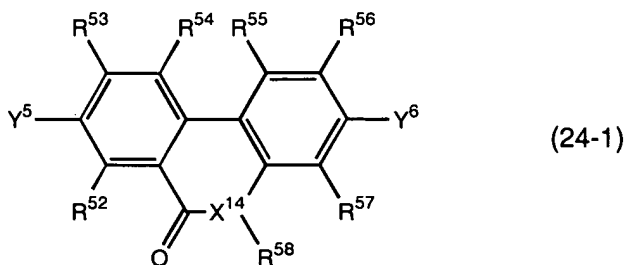
~~(in the formula, wherein~~  $X^{13}$  represents a boron atom, a nitrogen atom, or a phosphorus atom,  $Y^3$  and  $Y^4$  each independently represent a halogen atom, alkylsulfonate group, arylsulfonate group, arylalkylsulfonate group, boric ester group, sulfonium methyl group, phosphonium methyl group, phosphonate methyl group, monohalogenated methyl group, boric acid group, formyl group, or vinyl group,  $R^{45}$ ,  $R^{46}$ ,  $R^{47}$ ,  $R^{48}$ ,  $R^{49}$ , and  $R^{50}$ , each independently represent a hydrogen atom, halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, aryl alkylthio group, acyl group, acyloxy group, amide group, imide group, ~~imine~~ imine residue, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, a monovalent heterocyclic group, arylalkenyl group, aryl ethynyl group, carboxyl group, or cyano group,  $R^{46}$ ; and  $R^{47}$ , or  $R^{48}$  and  $R^{49}$  may be connected mutually to form a ring, and  $R^{51}$  represents an alkyl group, aryl group, arylalkyl group, or monovalent heterocyclic group).



~~(in the formula, wherein~~  $R^{45}$ ,  $R^{46}$ ,  $R^{47}$ ,  $R^{48}$ ,  $R^{49}$ ,  $R^{50}$ ,  $R^{51}$ ,  $X^{13}$ , and  $Y^4$  represent the same meaning as ~~the defined~~ above,  $Z^3$  represents a hydrogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, aryl alkylthio group, substituted amino group, substituted silyl group, a monovalent heterocyclic group, arylalkenyl group, or aryl ethynyl group).



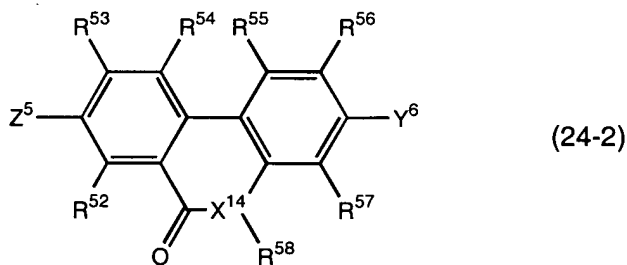
~~(in the formula, wherein~~  $R^{45}$ ,  $R^{46}$ ,  $R^{47}$ ,  $R^{48}$ ,  $R^{49}$ ,  $R^{50}$ ,  $R^{51}$ ,  $X^{13}$ , and  $Y^3$  represent the same meaning as ~~the defined~~ above,  $Z^4$  represents a hydrogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group, substituted amino group, substituted silyl group, a monovalent heterocyclic group, arylalkenyl group, or aryl ethynyl group).



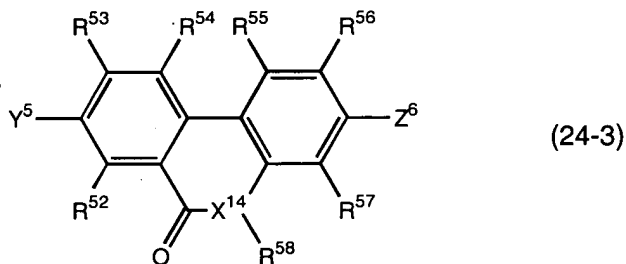
~~(in the formula, wherein~~  $X^{14}$  represents a boron atom, nitrogen atom, or phosphorus atom,  $Y^5$  and  $Y^6$  each independently represent a halogen atom, alkylsulfonate group, arylsulfonate group, arylalkylsulfonate group, boric ester group, sulfonium methyl group, phosphonium methyl



group, phosphonate methyl group, monohalogenated methyl group, boric acid group, formyl group, or vinyl group—,  $R^{52}$ ,  $R^{53}$ ,  $R^{54}$ ,  $R^{55}$ ,  $R^{56}$ , and  $R^{57}$  each independently represent a hydrogen atom, halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, aryl alkylthio group, acyl group, acyloxy group, amide group, imide group, ~~Imine~~ imine residue, amino group, substituted amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, monovalent heterocyclic group, arylalkenyl group, aryl ethynyl group, carboxyl group, or cyano group—,  $R^{53}$ ; and  $R^{54}$ , or  $R^{55}$  and  $R^{56}$  may be connected mutually to form a ring—, and  $R^{58}$  represents an alkyl group, aryl group, arylalkyl group, or a monovalent heterocyclic group—),

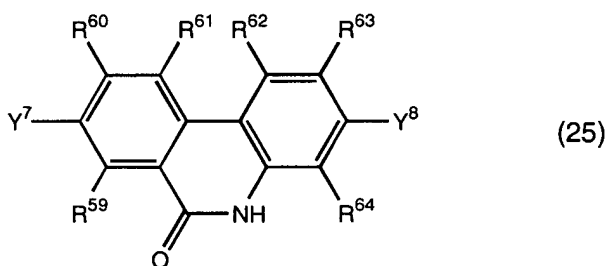


~~(in the formula, wherein~~  $R^{52}$ ,  $R^{53}$ ,  $R^{54}$ ,  $R^{55}$ ,  $R^{56}$ ,  $R^{57}$ ,  $R^{58}$ ,  $X^{14}$ , and  $Y^6$  represent the same meaning as ~~the defined~~ defined above—,  $Z^5$  represents a hydrogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, aryl alkylthio group, substituted amino group, substituted silyl group, monovalent heterocyclic group, arylalkenyl group, or aryl ethynyl group—),



~~(in the formula, wherein~~  $R^{52}$ ,  $R^{53}$ ,  $R^{54}$ ,  $R^{55}$ ,  $R^{56}$ ,  $R^{57}$ ,  $R^{58}$ ,  $X^{14}$ , and  $Y^5$  represent the same meaning as ~~the defined above~~, and  $Z^6$  represents a hydrogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, aryl alkylthio group, substituted amino group, substituted silyl group, monovalent heterocyclic group, arylalkenyl group, or aryl ethynyl group.)

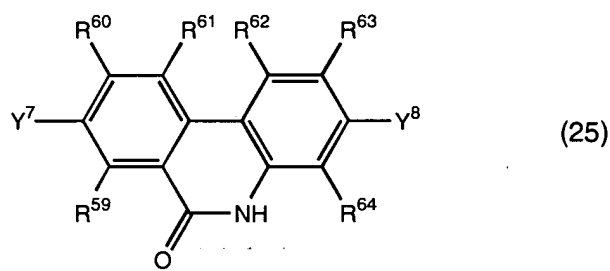
21. (currently amended): A compound represented by the below formula (25),



~~(in the formula, wherein~~  $Y^7$  and  $Y^8$  each independently represent a halogen atom, alkylsulfonate group, arylsulfonate group, arylalkylsulfonate group, boric ester group, sulfonium methyl group, phosphonium methyl group, phosphonate methyl group, monohalogenated methyl group, boric acid group, formyl group, or vinyl group,  $R^{59}$ ,  $R^{60}$ ,  $R^{61}$ ,  $R^{62}$ ,  $R^{63}$ , and  $R^{64}$  each independently represent a hydrogen atom, halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group, acyl group, acyloxy group, amide group, imide group, imine residue, amino group, substituted

amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, a monovalent heterocyclic group, arylalkenyl group, aryl ethynyl group, carboxyl group, or cyano group—, and  $R^{60}$ , and  $R^{61}$ , or  $R^{62}$  and  $R^{63}$  may be connected mutually to form a ring.

22. (currently amended): A manufacture method of a compound ~~whose  $X^{13}$  is a nitrogen atom~~ as recited in Claim 20 wherein in the above formula (23-1) to (23-3)  $X^{13}$  is a nitrogen atom, or a compound ~~whose  $X^{14}$  is a nitrogen atom~~ in the above formula (24-1) to (24-3) wherein  $X^{14}$  is a nitrogen atom, wherein the compound represented by ~~the above~~ formula (25) is reacted with a halogenated alkyl, halogenated aryl, halogenated arylalkyl, or halogenated heterocyclic-ring compound in existence of a base,



wherein  $Y^7$  and  $Y^8$  each independently represent a halogen atom, alkylsulfonate group, arylsulfonate group, arylalkylsulfonate group, boric ester group, sulfonium methyl group, phosphonium methyl group, phosphonate methyl group, monohalogenated methyl group, boric acid group, formyl group, or vinyl group,  $R^{59}$ ,  $R^{60}$ ,  $R^{61}$ ,  $R^{62}$ ,  $R^{63}$ , and  $R^{64}$  each independently represent a hydrogen atom, halogen atom, alkyl group, alkyloxy group, alkylthio group, aryl group, aryloxy group, arylthio group, arylalkyl group, arylalkyloxy group, arylalkylthio group, acyl group, acyloxy group, amide group, imide group, imine residue, amino group, substituted

amino group, substituted silyl group, substituted silyloxy group, substituted silylthio group, substituted silylamino group, a monovalent heterocyclic group, arylalkenyl group, aryl ethynyl group, carboxyl group, or cyano group, and R<sup>60</sup> and R<sup>61</sup>, or R<sup>62</sup> and R<sup>63</sup> may be connected mutually to form a ring.

23. (currently amended): A composition comprising a polymer compound according to ~~any one of claims 1 to 11~~Claim 1, and at least one kind of ~~materials~~material selected from a hole transporting material, an electron transporting material and a light-emitting material.

24. (currently amended): An ink composition comprising a polymer compound according to ~~any one of claims 1 to 11~~Claim 1.

25. (currently amended): A light emitting thin film, a conductive thin film, or an organic semiconductor thin film, comprising a polymer compound according to ~~any one of claims 1 to 11~~Claim 1.

26. (currently amended): A polymer light-emitting device having an organic layer between electrodes consisting of an anode and a cathode, and the organic layer containing a polymer compound according to ~~any one of claims 1 to 11~~Claim 1.

27. (original): A polymer light-emitting device according to claim 26, wherein the organic layer is a light emitting layer.

28. (original): A polymer light-emitting device according to claim 27, wherein a light emitting layer contains further a hole transporting material, an electron transporting material, or a light-emitting material.

29. (currently amended): A flat light source, segment display material, or dot matrix display apparatus, comprising a polymer light-emitting device according to ~~any one of claims 26 to 28, or a liquid crystal display comprising a polymer light-emitting device according to any one of or claims 26 to 28, as a back light~~Claim 26, as a back light.

30. (new): A liquid crystal display, comprising a polymer light-emitting device according to Claim 26.